

Title (en)

PROCESS FOR THE PRODUCTION OF AN ANTI-CORROSIVE AND WEAR-RESISTANT COATING FOR STEEL

Publication

EP 0108753 B1 19860903 (EN)

Application

EP 83900079 A 19821215

Priority

SE 8107572 A 19811217

Abstract (en)

[origin: WO8302087A1] A process for the production of an anti-corrosive coating on a steel surface (1) which may also be wear-resistant and may also prevent skidding consisting of an inner anti-corrosive layer (3) of zinc, aluminium or alloys thereof which in a boundary zone (2) is integrated within the steel surface (1) and linked with this layer an entirely or partly covering outer layer (5) of aluminium, zinc or an alloy thereof, whereby the latter is characterised in that the inner layer (3) is applied to the steel surface (1) by hot dipping and the outer layer is applied by thermal spraying whereby at least the surface of the inner layer (3) is heated until it melts. The process is characterised also in that the outer layer (3) consists mainly of aluminium which in conjunction with the thermal spraying is partly oxidised to corundum so as to increase its wear resistance and the characteristics which prevent skidding. The process is also characterised in that the outer layer is levelled by means of a layer of paint.

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IPC 8 full level

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CPC (source: EP US)

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